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JPRS 19293

SCI - MISC/M.T.

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NING AND CONSTRUCTION OF LIBRARY BUILD-
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- III. Department of Scientific
and Industrial Research
(G. Brit.)

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NRCC Technical Trans. 946.
Order from NRCC \$0.50 NRCC C-3611
Trans. of Bibliotekar' (USSR) 1960, no. 10, p. 7-9.
DESCRIPTORS: *Libraries, *Documentation, *Bibli-
ography, USSR

(Social Sciences - Documentation, TT, v. 6, no. 6)

61-22394

I. Kolobova, N.
II. NRCC TT-946
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THE EVE OF A GLORIOUS ANNIVERSARY, 3 PP.

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JPRS 14676

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NASA TT F-10,711

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Coordination of Motor Skills in Man in an
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Sci - Med

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Yu. A. Valdimirov, Li Chin'-Go, 22 pp.

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14 pp.

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CFSTI TT-64-19453

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CHANGE IN IMPEDANCE OF THE NERVE STEM OF A FROG
UNDER THE ACTION OF VISIBLE LIGHT, BY M. V. KIRZON,
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RHH 11-31-64

Sci-100M
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The Protective Action of a Liquid Medium Against
Shock ~~AND~~ Accelerations, by G. P. Mirolubov, 4 pp.
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JCB 6010012763

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OF THE OTORHINOLARYNGOLOGICAL ORGANXS, BY
YU. N. YEFUNI, A. V. KARYAKIN, 6 PP.

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JPRS 19285

SCI - MED/BIOL

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Sci - Phys

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MEAN DURATION OF PROTOCHLOROPHYLL
FLUORESCENCE IN THE GREENING PROCESS OF
ETIOLATED LEAVES. [1963] (8)p. 20 refs.
Order from OTS or SLA \$1.10 63-16728

Trans. of Biofizika (USSR) 1962, v. 7, p. 571-577.

DESCRIPTORS: *Chlorophylls, *Plant pigments,
*Fluorescence, *Bleaching, Illumination, Photochem-
istry.

Measurements of the mean duration, τ , and the fluo-
rescence spectra of etiolated leaves in the process of
their illumination at +20° showed that the value of τ
does not remain constant, but displays changes. In the
first minutes of illumination the value of τ for proto-
chlorophyll 655 fluorescence falls from $(3.2-3.5) \cdot 10^{-9}$
sec. to $(2.0-2.5) \cdot 10^{-9}$ sec. The value of τ for the
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- II. Minchenkova, L. E.

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Litvin, F. F., Rikhiyeva, G. T., and
Krasnovskii, A. A.
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THE STATE OF CHLOROPHYLL. [1963] [15]p.
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DESCRIPTORS: Low temperature research, *Plants
(Botany), *Chlorophylls, *Spectrographic analysis,
Biosynthesis, Photosynthesis, Cytochemistry, *Plant
pigments.

(Biological Sciences--Biochemistry, TT, v. 10, no. 9)

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I. Litvin, F. F.
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ID 2244419

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Sci - Phys
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Sci - Chemistry
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On the Variability of the Amino Acid Content of
Brain Proteins, by A. Tustanovsky, 8 pp.

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230. 9099119

NIH 3-73-62

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Sci - Med

Jun 62

Oxidative Breakdown of Phosphogluconic Acid, by
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Sci Tr Center
RT-1512

Scientific - Chemistry

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Sarcoma (Report I given in Biokhimiia, Vol III, No 4,
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Full translation.

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Scientific - Medicine, microbiology

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Mechanism of Phosphorylation Associated
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Scientific - Medicine, microbiology

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SPECIFIC POLYSACCHARIDES OF THE BLOOD, tr.
by H. Norris. 23 Oct 41, 11p.
Order from OTS or SLA \$1.60

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Trans. of Biokhimiya (USSR) 1940, v. 5, no. 5,
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DESCRIPTORS: *Blood chemistry, *Saccharides

(Biological Sciences--Biochemistry, TT, v. 6, no. 1)

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III. National Institutes of
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Qualitative Characteristics of Gluten Proteins and Their
Changes on Dispersion in Lactic Acid, by N. I. Proskuryakov
A. A. Bimdel, V. N. Zazyulinskiy.

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Order from K-H \$11.25 K-H 5179-c

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DESCRIPTORS: *Tobacco, *Phenols, *Oxidases,
Polymers.

(Biological Sciences--Biochemistry, TT, v. 8, no. 8)

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Detroit, Mich.

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Scientific - Chemistry .

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SLA 60-10829

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Sept 60

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Means of a Calibrated Photometer, 4 pp, by W. M.
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7 pp.

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NRCC C-4487

Sci - Biol/Med Sci

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Method for the Quantitative Determination of
Carcinogenic Hydrocarbons by Fluorescence by Means
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E. B. Kofman.

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SLA TT-64-13569

Sept 66

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METHOD FOR THE DETERMINATION OF THE
PEROXIDASE ACTIVITY OF THE BLOOD, tr. by
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Order from OTS or SLA \$1.10 61-28092

Trans. of Biohimiya (USSR) 1945, v. 10, no. 4,
p. 360-362.

DESCRIPTORS: *Peroxidase, Enzymes, *Blood, Blood
chemistry, Oxidation, Catalysts, *Microchemistry,
Dyes.

A new micromethod is described for the quantitative
determination of blood peroxidase with the use of the
organic dye indigo carmine in the character of an
oxidized substrate. It is possible to proportion the
latter accurately, in consequence of which there is an
opportunity to compute quantitatively by the activated
(Biological Sciences--Biochemistry, TT, v. 7, no. 1)
(over)

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II. National Institutes of
Health, Bethesda, Md.

Office of Technical Services

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Vol 10, No 586-465

Kaplanskii, S. and Balaba, T.
DE INVLOED VAN JODCASEINE OP DE OMZETTING
VAN CAROTEEN IN VITAMINE A (Transformation of
Carotene into Vitamin A Under the Action of Iodinated
Casein) in. by A. Gorter. 5p. 3 refs. MTWL: 143.
(text in Dutch).
Order from OTS or ETC \$1.40

61-17713

Trans. of Biokhimiya (USSR) 1946, v. 11, no. 4,
p. 327-331.

DESCRIPTORS: *Carotene, *Vitamin A, Casein,
Iodine, Transformations.

61-17713

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- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
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Fermentative Oxidation of Different Fractions
of Tea Tannin, by M. A. Bokrosheva.

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pp 59-67.

CSIRO

Sci - Chem
Aug 62

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Rubin, B. A., Artsikhovskaya, E. V., and
Proskurnikova, T. A.
THE OXIDATIVE CONVERSIONS OF PHENOLS AND
THEIR ROLE IN THE RESISTANCE OF POTATOES
TO PHYTOPHTHORA INFESTANS. [1962] [20]p.
23 refs.

Order from OIS or SLA \$1.60 63-13584

Trans. of Biokhimiya (USSR) 1947, v. 12, no. 2,
p. 141-152

DESCRIPTORS: Oxidation, Synthesis, *Phenols,
Resistance, *Potatoes, *Fungus Infections, Peroxidase,
Respiration, Tissues (Biology), Diseases, Plants
(Botany).

In potatoes which are distinctively resistant to the
fungus Phytophthora (potato variety 12994) the respira-
tion rate and peroxidase activity are higher than in
(Agriculture--Plant Cultivation, TT, v. 9, no. 12)
(over)

1. Title: Phytophthora
infestans
2. Title: Potato blight
1. Rubin, B. A.
- II. Artsikhovskaya, E. V.
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- IV. Translations, New York

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Hydrogenase of Isolated Chloroplasts, by E. A.
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Scientific - Chemistry

Dec: 54 CTS/DEX

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The Chemical Nature of the Substance of the Brain
Tissue Sensitizing Muscles to Acetylcholine, by
M. B. Babitsky, P. F. Minayev, 16 pp.

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CIA/FDD/U-5288

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Scientific - Biochem
(Chem)

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Enzymatic Synthesis of Polypeptides Under Pressure,
by S. E. Bresler and M. V. Gilkina, 17 pp.

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Scientific - Chemistry

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Condensation of Tea Leaf Catechols During
Oxidation, by A. Kursanov, K. Dzemukhadze, M.
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436. 1947
K-H 2144

A. Kursanov

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Sci - Chemistry
Mar 67

The Respiratory Systems of Plants,
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Belk, 21 pp.
RUSSIAN, per, Biokhimiya, Vol 12, No 5,
1947, pp 452-464
K-H-1730 b

12-17-47 Mikhlin

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Sci - Agriculture
Mar 67

The Physico-Chemical Mechanism of the Effect of
Penicillin by A. Pasynaskii, T. Kastorskaia, 23 pp.

Full translation.

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CIA/FDD/X-729

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Scientific - Medicine, Penicillin, Physio-Chemical
Mechanism

Oct 52 (TS/DEX

BIOKHIM Vol XIII, No 1

Jan/Feb 1948

"The Activity and Composition of Ferments in Plastids"
7 pp.

N. M. Sisakyan, A. M. Kobyakova

Done by ID Nov Status of Translation
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64T60

Relation Between Absorption Spectra and Structure
of Vitamin A and Related Compounds, by Gh. V.
Troitzkii, UNCLASSIFIED

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Sci Man Lib No 52/3064

Scientific - Biology

29 November 1952

Formation of Amino Nitrogen from Ammonia and α -keto
acids by a Suspension of *B. Subtilis*, by

A. S. Konikova, M. G. Eritsman, L. M. Yakobson,

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pp 39-41.

U.S.D.A.

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USSR

Scientific - Chemistry

Utilization of L and D-Amino Acids by
B. Brovis, by A. S. Konikova.
RUSSIAN, per, Biokhimiya, Vol XIII,
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*NASA TT-F-10887

Sci - Chem
Apr 67

Chromium as a Bioclement, by A. M. Grushko,
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Scientific - Chemistry

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Utilization of Amino Acids of l-and d-
Configuration by B. Breviscultures, by
A. S. Konikova, N. N. Dobbert.
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NASA TT F-10,887

Sci - B&M
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(FDD 18207)

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RUSSIAN, himogher, Biokhim, Vol XIII, No 2, Moscow/Leningrad, Mar/Apr 1948, pp 137-146.

CIA/FDD/11-5292

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Scientific - Biochem

Jan 54

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ET-100-4

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